

4-Methylcyclohexane Methanol Study in XAD Tubes  
Using Outside Air

	Average Conc. (µg/L)	Volume of Outside Air (L)	Percent Recovery
4-Methylcyclohexane Methanol (Cis & Trans)			
Sample #1	44.2	360	88
Sample#2	45.2	360	90
Sample #3	43.8	360	88
Sample#4	197	360	98
Sample #5	193	360	96
Sample#6	191	360	96
Sample #7	61.4	720	123
Sample#8	67.7	720	135
Sample #9	57.8	720	116
Sample#10	204	720	102
Sample #11	221	720	110
Sample#12	189	720	95

Note: Samples 1-3 Spiked with 10µL of 10 ppm 4-MCHM Std. and extracted with 2 ml of DCM  
 Samples 4-6 Spiked with 40µL of 10 ppm 4-MCHM Std. and extracted with 2 ml of DCM.  
 Samples 7-9 Spiked with 10µL of 10 ppm 4-MCHM Std. and extracted with 2 ml of DCM.  
 Samples 10-12 Spiked with 40µL of 10 ppm 4-MCHM Std. and extracted with 2 ml of DCM.

Sampling Start                      3:00 PM        18-Feb  
 Sampling End for 360L            9:00 PM        18-Feb  
 Sampling End for 720L            3:00 AM        19-Feb

	Avg. Temp	Avg. Humidity	
Average Temp. & Humidity for 360L Sampling	35	67	18-Feb
Average Temp. & Humidity for 720L Sampling	28	77	18-Feb & 19-Feb

Temperature & humidity Data for Edison, NJ  
On February 18 & 19, 2014

Time (EST)	Temp. (°F)	Humidity (%)	Dew Point (°F)	Barometer (inHG)	Wind Speed (mph)
February 18th					
2:53 PM	39	64	28	30	5
3:53 PM	39	57	25	30	6
4:53 PM	38	62	26	30	5
5:53 PM	36	64	25	30	4
6:53 PM	35	66	25	30	3
7:53 PM	31	72	23	30	3
8:53 PM	26	81	21	30	-
9:53 PM	23	86	19	30	-
10:53 PM	22	88	19	30	-
11:53 PM	20	92	18	30	
February 19th					
12:53 AM	19	92	17	30	3
1:53 AM	20	88	17	30	-
2:53 AM	19	88	16	30	-

Source: LocalConditions.COM